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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 1020-020US01 U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 107582008
INTERNATIONAL APPLICATION NO. PCT/EP2004/013361	INTERNATIONAL FILING DATE 25 November 2004	PRIORITY DATE CLAIMED 08 December 2003
TITLE OF INVENTION HYBRID MICROFLUIDIC CHIP AND METHOD FOR MANUFACTURING SAME		
APPLICANT(S) FOR DO/EO/US John S. McCaskill et al.		
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. <input checked="" type="checkbox"/> The US has been elected (Article 31). <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <p>Items 11 to 20 below concern document(s) or information included:</p> <ol style="list-style-type: none"> <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. <input checked="" type="checkbox"/> A preliminary amendment. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. <input type="checkbox"/> A substitute specification. <input type="checkbox"/> A power of attorney and/or change of address letter. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 		

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 01/582438		INTERNATIONAL APPLICATION NO. PCT/EP2004/013361	ATTORNEY'S DOCKET NUMBER 1020-020US01	
20. Other items or information:				
The following fees have been submitted		CALCULATIONS	PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300		\$ 300.00		
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200		\$ 200.00		
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500		\$ 500.00		
TOTAL OF 21, 22 and 23 =		1000.00		
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	
14 - 100 =	0 /50 =	0	x \$250	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		\$ 0.00		
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE
Total claims		23 - 20 =	3	x \$ 50
Independent claims		2 - 3 =	0	x \$200
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360
		TOTAL OF ABOVE CALCULATIONS =		\$ 1150.00
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$ 575.00
		SUBTOTAL =		\$ 575.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		+		\$ 0.00
		TOTAL NATIONAL FEE =		\$ 575.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		+		\$ 0.00
		TOTAL FEES ENCLOSED =		\$ 575.00
		Amount to be refunded:		\$
		Amount to be charged		\$

10/582008

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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AP20 Rec'd PCT/PTO 37 JUN 2006

a. A check in the amount of \$ 575.00 to cover the above fees is enclosed.

b. Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1778. A duplicate copy of this sheet is enclosed.

d. Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Kelly Patrick Fitzgerald
 Shumaker & Sieffert, P.A.
 8425 Seasons Parkway, Suite 105
 St. Paul, Minnesota 55125


 SIGNATURE
 Kelly Patrick Fitzgerald
 NAME
 46,326
 REGISTRATION NUMBER

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: John S. McCaskill;
Thomas Maeke; Uwe
Tangen; Patrick Wagler;
Steffen Chemnitz; Martina
Juenger

Filed: Herewith Customer No.: 28863

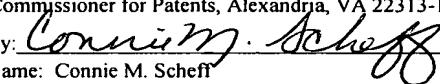
Docket No.: 1020-018US01

Title: HYBRID MICROFLUIDIC CHIP AND METHOD FOR
MANUFACTURING SAME

CERTIFICATE UNDER 37 CFR 1.10:

"Express Mail" mailing label number: EV744475327US
Date of Deposit: June 7, 2006

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner for Patents, Alexandria, VA 22313-1450.

By: 
Name: Connie M. Scheff

REQUEST FOR NATIONAL PHASE FILING UNDER 35 U.S.C. 371

MAIL STOP PCT
Commissioner for Patents
Alexandria, VA 22313-1450

Sir:

This is a National Stage filing under 35 U.S.C. 371 of International Application No. PCT/EP2004/013361, filed 25 November 2004, which claims priority to European Application No. 03 028 065.5, filed 08 December 2003.

We are transmitting herewith the attached correspondence relating to this application:

- Transmittal sheet containing Certificate of Mailing (2 pgs.)
- Transmittal Letter to the U.S. Designated/Elected Office (DO/EO/US) Concerning A Submission under 35 U.S.C. 371 (3 pgs.)
- English Translation of the Application: Spec. 10 pgs; Claims 3 pgs; Abstract 1 pg.
- Two (2) Sheets of Drawings
- Check in the amount of \$575.00 for the filing fee
- Application Data Sheet (4 pgs.)
- Preliminary Amendment (8 pgs.)
- Applicant Claims Small Entity Status
- Return postcard

10/562006
AP20 Rec'd PCT/PTO 07 JUN 2006

Please apply any charges not covered, or any credits, to Deposit Account No. 50-1778.

If this application is found to be incomplete, or if a telephone conference would otherwise be helpful, please call the undersigned at (651) 735-1100.

Kindly acknowledge receipt of this application by returning the enclosed postcard.

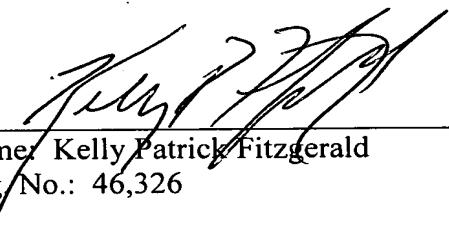
Please send all correspondence to Practitioners at Customer Number 28863.



28863

PATENT TRADEMARK OFFICE

Date: June 7, 2006
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By: 

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